

ABSTRACT:

The invention relates to a wireless network comprising a radio network controller and a plurality of assigned terminals which are provided for transmitting useful data over logic channels which have different priorities, which are mapped onto exactly one transport channel, respectively. The data transmission over a plurality of combined

5 (multiplexed) transport channels is determined by transport format combinations. The subject matter of the invention is a procedure for selecting the respective most favorable transport format combination at the beginning of a radio frame, given the packet data units waiting in the buffers of the logic channels, as well as a procedure for sorting the logic channels while their priorities, their buffer occupancy and the transmission time interval of the associated  
10 transport channel are taken into account.

Fig. 1.